**Index of Claims** 

Application No.

10/044,910

Examiner

Applicant(s)

OKABE ET AL.

Art Unit

Tuan T Dinh

Date

2827

0

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** Α

Objected

| Claim   |               |                      |   |   |               |                            |                    |  |  |  |
|---|---------------|----------------------|---|---|---------------|----------------------------|--------------------|--|--|--|
| E     E | Claim         | Claim Date           |   |   |               | Claim                      |                    |  |  |  |
| 1   √   51   52     3   √   55   53     4   0   54   55     5   √   56   7     8   √   566   7     7   √   57   8     9   √   59   9     10   √   60   61     11   √   61   61     12   √   62   63     13   √   63   63     14   √   64   65     16   66   66   67     18   68   69   69     20   70   70   71   72     23   73   73   74   74     25   75   75   76   76   77   77   28   78   79   30   80   80   31   81   32   82   33   83   34   84   35   85   36   86   37   87   38   88   39   99 <td></td> <td>+</td> <td></td> <td></td> <td>Cian</td> <td><del>''</del><del> </del></td> <td><math>\neg \neg</math></td>                        |               | +                    |   |   | Cian          | <del>''</del> <del> </del> | $\neg \neg$        |  |  |  |
| 1   √   51   52     3   √   55   53     4   0   54   55     5   √   56   7     8   √   566   7     7   √   57   8     9   √   59   9     10   √   60   61     11   √   61   61     12   √   62   63     13   √   63   63     14   √   64   65     16   66   66   67     18   68   69   69     20   70   70   71   72     23   73   73   74   74     25   75   75   76   76   77   77   28   78   79   30   80   80   31   81   32   82   33   83   34   84   35   85   36   86   37   87   38   88   39   99 <td>ng   m  </td> <td>03</td> <td></td> <td></td> <td><u></u>  </td> <td>  J</td> <td>11</td>  | ng   m        | 03                   |   |   | <u></u>       | J                          | 11                 |  |  |  |
| 1   √   51   52     3   √   55   53     4   0   54   55     5   √   56   7     8   √   566   7     7   √   57   8     9   √   59   9     10   √   60   61     11   √   61   61     12   √   62   63     13   √   63   63     14   √   64   65     16   66   66   67     18   68   69   69     20   70   70   71   72     23   73   73   74   74     25   75   75   76   76   77   77   28   78   79   30   80   80   31   81   32   82   33   83   34   84   35   85   36   86   37   87   38   88   39   99 <td><u>`</u>≟ iġ</td> <td>24/</td> <td>1111</td> <td></td> <td>  :</td> <td><u>.</u>g.  </td> <td></td>  | <u>`</u> ≟ iġ | 24/                  | 1111  |   | :             | <u>.</u> g.                |                    |  |  |  |
| 3   √   53   54     5   √   55   56     7   √   56   57     8   √   58   59     10   √   60   61     11   √   61   62     13   √   63   64     15   65   65   66     16   66   67   67     18   68   68   69     20   70   71   72     23   73   74   74     25   75   75   76     27   77   77   78     28   78   79   30     31   31   81   81     32   33   83   83     33   80   80   80     31   81   81   82     33   83   84   84     35   85   86   86     37   87   87   88     39   89 <td>l L o</td> <td> 2 </td> <td>1 1 1</td> <td>       </td> <td>  -  </td> <td>Ō丨</td> <td>-</td>  | l L o         | 2                    | 1 1 1   |   | -             | Ō丨                         | -                  |  |  |  |
| 3   √   53   54     5   √   55   56     7   √   56   57     8   √   58   59     10   √   60   61     11   √   61   62     13   √   63   64     15   65   65   66     16   66   67   67     18   68   68   69     20   70   71   72     23   73   74   74     25   75   75   76     27   77   77   78     28   78   79   30     31   31   81   81     32   33   83   83     33   80   80   80     31   81   81   82     33   83   84   84     35   85   86   86     37   87   87   88     39   89 <td>1 1</td> <td>1,/1</td> <td><del>-   </del></td> <td>-+</td> <td></td> <td>51</td> <td>+</td>   | 1 1           | 1,/1                 | <del>-   </del>                                   | -+  |               | 51                         | +                  |  |  |  |
| 3   √   53   54     5   √   55   56     7   √   56   57     8   √   58   59     10   √   60   61     11   √   61   62     13   √   63   64     15   65   65   66     16   66   67   67     18   68   68   69     20   70   71   72     23   73   74   74     25   75   75   76     27   77   77   78     28   78   79   30     31   31   81   81     32   33   83   83     33   80   80   80     31   81   81   82     33   83   84   84     35   85   86   86     37   87   87   88     39   89 <td></td> <td></td> <td>++++</td> <td><del>-                                     </del></td> <td>1</td> <td>52</td> <td>+-</td>                              |               |                      | ++++  | <del>-                                     </del> | 1             | 52                         | +-                 |  |  |  |
| 4   0   54   55     6   √   55   56     7   √   57   58     9   √   60   60     11   √   61   61     12   √   62   63     14   √   64   64     15   65   65   65     16   66   67   67     18   68   69   70     20   70   71   71     22   72   72   72     23   73   74   74     25   75   75   76     27   77   77   78     29   79   30   80     31   81   81   81     32   82   83   83     34   84   84   85     36   86   86   86     37   87   85   85     36   86   86   99     40   90 <td>3</td> <td></td> <td></td> <td></td> <td><math>\vdash</math></td> <td>53</td> <td>++</td>  | 3             |                      |   |   | $\vdash$      | 53                         | ++                 |  |  |  |
| 5   √     6   √     7   √     8   √     9   √     10   √     60   60     11   √     62   63     13   √     63   64     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   89     40   90     41   91  | 4             | Tột                  | 1-1-1-1   | <del>111</del>                                    |               | 54                         |                    |  |  |  |
| 7   √     8   √     9   √     10   √     60   61     11   √     61   62     13   √     63   63     14   √     66   63     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   33     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91   | 5             | 171                  | <del>                                      </del> |   |               | 55                         | +                  |  |  |  |
| 7   √     8   √     9   √     10   √     60   61     11   √     61   62     13   √     63   63     14   √     66   63     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   33     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91   | 6             | <del>-</del>         |   |   |               | 56                         | $\dashv$           |  |  |  |
| 8   √     9   √     10   √     60   61     11   √     62   63     13   √   64     63   63     14   √   64     65   65   66     16   66   67     18   68   69     19   69   69     20   70   70     21   71   72     23   73   73     24   74   74     25   75   75     26   76   77     28   78   79     30   80   80     31   81   82     33   83   83     34   84   84     35   85   86     37   87   88     39   89   90     40   90   90     41   91   92     43   94   |               | V                    |   |   |               | 57                         |                    |  |  |  |
| 10   √     11   √     12   √     13   √     63   63     14   √     64   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   83     33   84     34   84     35   85     36   86     37   87     38   88     39   99     40   90     41   91     42   92     43   94     44   94     45   96  | 8             | 1                    |   |   |               | 58                         | $\Box$             |  |  |  |
| 10   √     11   √     12   √     13   √     63   63     14   √     64   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   83     33   84     34   84     35   85     36   86     37   87     38   88     39   99     40   90     41   91     42   92     43   94     44   94     45   96  | 9             | V                    |   |   |               | 59                         |                    |  |  |  |
| 11   √   61   62     13   √   63   63     14   √   64   65     15   66   66   67     18   68   69   69     20   70   71   72     21   71   71   72     23   73   74   74     25   75   76   77     28   78   79   30     30   80   81   81     32   82   82   83     33   83   84   84     35   86   86   86     37   87   87   88     39   40   90   90     41   91   91   94     42   92   93   94     44   94   94   94     45   96   96     47   97   98  | 10            |                      |   |   |               | 60                         | $\Box$             |  |  |  |
| 13  |               | V                    |   |   |               | 61                         |                    |  |  |  |
| 13   √   63   64     15   65   65   66     16   66   67   67     18   68   68   69     19   69   70   71     22   72   73   74     25   75   75   76     27   77   77   78     29   79   30   80     31   81   81     32   32   82     33   84   84     35   36   86     37   38   88     39   90   90     41   91   92     43   94   94     45   96   96     47   98   99  |               | 2 1                  |   |   |               | 62                         |                    |  |  |  |
| 16   17   66   67     18   68   69     20   70   71     21   71   72     23   73   74     25   75   76     27   77   78     29   79   30     30   80   81     32   82   83     33   83   84     35   85   85     36   86   86     37   87   87     38   88   89     40   90   90     41   91   92     43   94   94     45   96   47     48   96   97     48   98   99   | 13            | 3   √                |   |   |               | 63                         |                    |  |  |  |
| 16   17   66   67     18   68   69     20   70   71     21   71   72     23   73   74     25   75   76     27   77   78     29   79   30     30   80   81     32   82   83     33   83   84     35   85   85     36   86   86     37   87   87     38   88   89     40   90   90     41   91   92     43   94   94     45   96   47     48   96   97     48   98   99   |               |                      |   |   |               | 64                         | $\perp$            |  |  |  |
| 18   68     19   70     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98     49   99   | 15            | <u> </u>             | _ _   |   |               | 65                         | $\perp$            |  |  |  |
| 18   68     19   70     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98     49   99   | 16            |                      | $\bot$  |   | $\perp$       | 66                         | _ _                |  |  |  |
| 19   69     20   70     21   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   96     47   97     48   98     49   99   |               |                      |   |   | <b>L</b>      | 67                         |                    |  |  |  |
| 20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99   | 18            | 3                    |   |   | $\vdash$      | 68                         | $\dashv$           |  |  |  |
| 21   71     22   72     23   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   |               |                      |   |   | 1             | 69                         | $\perp$            |  |  |  |
| 22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99   | 20            | <u> </u>             |   |   |               | 70                         | $\dashv$           |  |  |  |
| 23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   96     48   98     49   99   | 2             |                      | +   |   | $\vdash$      | 71                         |                    |  |  |  |
| 24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   96     48   98     49   99   | 1 22          |                      |   |   | -             | 72                         |                    |  |  |  |
| 25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   96     47   96     49   99   | 25            |                      | + + -   |   |               | 74                         | -                  |  |  |  |
| 26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98     49   99   | 25            | +                    | +-+   | -+  | 1             | 75                         | $\dashv \dashv$    |  |  |  |
| 27   28   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98     49   99  | 26            | <del>`</del>         | ╌┼╌┼╌┼  | -+  | -             | 76                         | ++                 |  |  |  |
| 28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98     49   99   | 27            | <del>,        </del> | <del></del>                                       | -+-+  | -             | 77                         | $\dashv$           |  |  |  |
| 29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     45   95     46   96     47   97     48   98     49   99   | 25            |                      | +++   | -+-+  | -             |                            | -+-+               |  |  |  |
| 30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99   | 20            |                      | +   |   | <del></del>   | 79                         | $\dashv \dashv$    |  |  |  |
| 31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 94   44 94   45 95   46 96   47 97   48 98   49 99   | 30            | <del>}        </del> | +-+-+-  |   |               | 80                         | +                  |  |  |  |
| 32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 94   44 94   45 95   46 96   47 97   48 98   49 99   |               |                      |   |   | <b>—</b>      | 81                         | ++                 |  |  |  |
| 33 83   34 84   35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 32            |                      | 1-1-1   | <del>-      </del>                                | $\vdash$      | 82                         | ++                 |  |  |  |
| 34 84   35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 33            | 3                    |   | <del>-      </del>                                | 1-1           | 83                         |                    |  |  |  |
| 36 86   37 88   38 88   39 90   40 91   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 34            |                      | -1-1-1-1  |   |               | 84                         | $\dashv \dashv$    |  |  |  |
| 36 86   37 88   38 88   39 90   40 91   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 35            | 5                    | 1-1-1-1   |   |               | 85                         | $\dashv \dashv$    |  |  |  |
| 37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 36            | 3                    |   |   |               | 86                         |                    |  |  |  |
| 38 88   39 90   40 91   41 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 37            | 7                    |   |   |               | 87                         | 77                 |  |  |  |
| 40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 38            | 3                    |   |   |               | 88                         |                    |  |  |  |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 39            |                      |   |   |               | 89                         | $\Box$             |  |  |  |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |               |                      |   |   |               |                            |                    |  |  |  |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99   | 41            | <u> </u>             |   |   |               |                            |                    |  |  |  |
| 44 94   45 95   46 96   47 97   48 98   49 99   |               |                      |   |   | $\perp \perp$ | 92                         | $\perp \downarrow$ |  |  |  |
| 45 95 96 96 97 48 98 99 99  |               |                      |   |   |               |                            |                    |  |  |  |
| 46 96 97 97 48 98 99 99   |               |                      |   |   |               |                            | +                  |  |  |  |
| 47 97 98 98 99 99   |               |                      | <del>         </del>                              |   |               |                            | $\dashv \dashv$    |  |  |  |
| 48 98 99 99 99 99 99 99 99 99 99 99 99 99   |               |                      | <del>         </del>                              |   | -             | 96                         |                    |  |  |  |
| 49 99   |               |                      | ++++  |   |               |                            | $\dashv$           |  |  |  |
|   |               |                      | +   | -+  |               |                            | -+                 |  |  |  |
| 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |               |                      | +++   |   | <del></del>   | 100                        | ++                 |  |  |  |
|   |               | <u> </u>             |   |   | LL            | 1001                       |                    |  |  |  |

| Claim        |                   | Date   |          |  |          |                |              |              |              |                 |
|--------------|-------------------|--|----------|--|----------|----------------|--------------|--------------|--------------|-----------------|
|              |                   |  |          |  |          |                |              |              |              |                 |
| Final        | Original          |  |          |  |          |                |              |              |              |                 |
|              | 101               |  |          |  |          |                |              |              |              |                 |
|              | 102<br>103        | Щ  | _        |  |          | L.             | _            | _            |              | _               |
| <u> </u>     | 103               | -  | _        |  | _        |                | <u> </u>     |              |              | $\dashv$        |
| -            | 104               | ļ.,  |          | ļ  | _        | _              |              | <u> </u>     |              |                 |
| <u> </u>     | 105<br>106        | <u> </u>   | _        | ├-   |          | <b> </b>       | <u> </u>     | <u> </u>     | _            |                 |
|              | 107               |  | _        | ├-   |          | -              |              | -            | -            | $\vdash$        |
|              | 108               | $\vdash$   | $\vdash$ | -  | _        | -              | -            | -            | -            | Н               |
| <b></b> -    | 109               | 1  |          | -  | <u> </u> |                | -            | _            | Η-           | Н               |
|              | 110               |  |          | 1  |          | ┌─             |              |              | $\vdash$     |                 |
|              | 111               |  |          |  |          |                |              |              |              |                 |
|              | 112               |  |          |  |          |                |              |              |              |                 |
|              | 113               |  | L_       |  |          |                |              |              |              |                 |
|              | 114               | L.,  | _        | <u> </u>   | <u> </u> | L_             | <u> </u>     | L            | L            | Щ               |
| <b>-</b>     | 115               | <u> </u>   | L        | <u> </u>   | _        | -              | -            |              |              |                 |
| <u> </u>     | 116               | $\vdash$   | -        | -  | <u> </u> | $\vdash$       | <u> </u>     | <u> </u>     | <u> </u> _   | $\vdash \dashv$ |
| <u> </u>     | 117<br>118        | <del>                                     </del> | -        | -  |          | <del> </del> - | <del> </del> |              | -            | $\vdash$        |
| <del> </del> | 119               | -  | ┝        | ├-   |          | <del> </del>   | ├-           | ├-           |              | $\vdash$        |
|              | 120               | ├  | ├        | ├─   | -        |                | -            | -            | <u> </u>     | $\vdash$        |
|              | 120<br>121        | -  | -        | -  | -        | ├              | -            | -            | ┢            | $\vdash$        |
| <del> </del> | 122               | <del> </del>                                     |          | -  | $\vdash$ | !              | -            | -            |              | $\vdash$        |
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|              | 124               |  |          |  |          |                |              |              |              | П               |
|              | 125<br>126        |  |          |  |          |                |              |              |              |                 |
| <u> </u>     | 126               | <u> </u>   | <u> </u> | <u> </u>   | L        | L              | L            | L            | _            | Ш               |
| <u> </u>     | 127               | <b> </b> _                                       | <u> </u> | <u> </u>   | <u> </u> | <u> </u>       | ↓_           | <u> </u>     | _            |                 |
| ├—           | 128               | <u> </u>   |          | ├_   | <u> </u> | <u> </u>       | _            | -            |              |                 |
| <b>-</b>     | 128<br>129<br>130 | ├-   | -        | }-   |          | ├-             | ├            | <u> </u>     | <u> </u>     | $\vdash$        |
| ļ            | 130               | ├—   |          | -  |          | ├-             |              | <del> </del> | $\vdash$     | $\vdash$        |
| <b></b>      | 131<br>132        |  | ┢        | ├─   | ┝        | <del> </del>   | -            | -            | ├—           | $\vdash$        |
|              | 133               | ╁╌   | -        | -  |          | $\vdash$       | -            | <u> </u>     | -            | $\vdash$        |
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|              | 136               |  |          |  |          |                |              |              |              |                 |
|              | 137               |  |          |  |          |                |              |              |              |                 |
|              | 138               | <u> </u>   | _        | _  | L.       | <u> </u>       | L.           |              | _            |                 |
| <u> </u>     | 139               | L  | <u> </u> | <u> </u>   | _        | ļ              | ļ            | ļ.,          | <u> </u>     |                 |
|              | 140               | $\vdash$   | <u> </u> |  | <u> </u> | <b>!</b> —     |              |              |              |                 |
| <b>-</b>     | 141               | -  | $\vdash$ | ├—   | <u> </u> | -              | -            | -            |              | $\vdash$        |
| <b>-</b>     | 142<br>143        | -  | -        | -  | $\vdash$ | $\vdash$       |              |              | -            | $\vdash \dashv$ |
| -            | 144               | $\vdash$   | -        | -  | -        | +-             |              | -            | <u> </u>     | $\vdash$        |
|              | 145               | $\vdash$   | $\vdash$ | -  | $\vdash$ | -              | -            | -            | <del> </del> | $\vdash \dashv$ |
|              | 146               |  | -        | <del>                                     </del> | -        | -              | -            | -            | <u> </u>     | $\vdash$        |
|              | 147               | $I^{-}$  | 1        |  | $\vdash$ |                | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash \vdash$ |
|              | 148               |  |          |  |          |                |              |              |              |                 |
|              | 149               |  |          |  |          |                |              |              |              |                 |
|              | 150               |  |          |  |          |                |              | 匚            |              |                 |